

Title (en)  
Safety umbrella

Title (de)  
Sicherheitsregenschirm

Title (fr)  
Parapluie de sécurité

Publication  
**EP 2583579 A1 20130424 (EN)**

Application  
**EP 12170641 A 20120604**

Priority  
CN 201110321224 A 20111020

Abstract (en)  
A safety umbrella includes a top notch member (20) fixed on an upper end of a central shaft (10) and having a resilient tongue (22) which extends downwardly to form a hook end (223) with an actuated shoulder surface (224). A runner (40) has a slot (43) for retaining the hook end (223) therein at an upper position. An operating sleeve (50) surrounds and is axially movable relative to the runner (40) and has an actuating frictionblock (52) which is matingly engaged with the actuated shoulder surface (224) at the upper position such that, when the operating sleeve (50) is moved downwardly, the actuated shoulder surface (224) is pressed to withdraw the hook end (223) inwardly so as to disengage the hook end (223) from the slot (43).

IPC 8 full level  
**A45B 25/08** (2006.01)

CPC (source: EP KR US)  
**A45B 9/00** (2013.01 - KR); **A45B 9/04** (2013.01 - KR); **A45B 25/00** (2013.01 - KR); **A45B 25/08** (2013.01 - EP US); **A45B 25/10** (2013.01 - EP US)

Citation (applicant)  
US 5964235 A 19991012 - WANG MAX [TW]

Citation (search report)  
• [X] CN 2882345 Y 20070328 - ZHANG SHUMIN [CN]  
• [Y] US 2005055957 A1 20050317 - HUANG LU TSAI [TW]  
• [Y] US 2007240745 A1 20071018 - WANG MAX [TW]

Cited by  
GB2565425A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2583579 A1 20130424**; CN 103054290 A 20130424; JP 2013085949 A 20130513; JP 5481533 B2 20140423; KR 20130043566 A 20130430; US 2013098411 A1 20130425

DOCDB simple family (application)  
**EP 12170641 A 20120604**; CN 201110321224 A 20111020; JP 2012166009 A 20120726; KR 20120084321 A 20120801; US 201213491497 A 20120607